



Phase 1 - Complete

- → Annual revenue estimated at \$12 million
- → Conservative analysis in line with expectations
- → As expected, tolls will not fund entire HOV/Toll project
- → Suggested Toll Rate Structure

EB Per Mile EB Minimum WB Per Mile WB Minimum 14

Midday P.M. Night \$0.10 none \$0.10 \$0.10



Traffic & Revenue Study



Phase 2 - Complete

- → Extensive traffic counts for more detailed modeling
- → Multiple scenarios were tested for a fully functioning date of 2015 & 2025
- Toll rate options were tested
- Opportunities and issues associated with Managed Lanes are numerous

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Phase 2 - Scenarios



- → 8 Lanes vs. 10 Lanes for the LBJ mainlanes
- HOV 2+ vs. HOV 3+ vs. All Toll
- **Modified Access Locations**
- Interesting range approach for 2015 / 2025
- → Report is on-line now

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Traffic and Revenue Study Range of Revenue by Scenario



1- 8 Lanes w/ 2+ HOV Free \$16.2 Million 2- 8 Lanes w/ 3+ HOV Free \$27.1 Million 3- Lanes w/ 2 + HOV Free \$ 8.5 Million 4- 4 Lanes w/ 3 + HOV Free \$16.1 Million 5- 5 Lanes w/ 2+ (Less Access) \$16.7 Million 6- 8 Lanes w/ 3+ (Less Access) \$24.1 Million 7- 10 Lanes w/ 2+ (Less Access) \$ 9.4 Million 8- 10 Lanes w/ 3+ (Less Access) \$15.2 Million 9- 8 Lanes w/ 2+ HOV Free (2025) \$27.9 Million 10- 8Lanes w/ 3+ HOV Free (2025) \$47.6 Million

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Note: 10 lane scenarios are not possible with out a lane width and shoulder design exception.



(July 2003 - July 2004)

- → Extensive Data Collection and Mobilization
- → Travel Pattern and Characteristic Surveys
- Economic Growth, Traffic and Revenue Analysis
- Model and Alternative Refinement

10

→ Sensitivity Tests

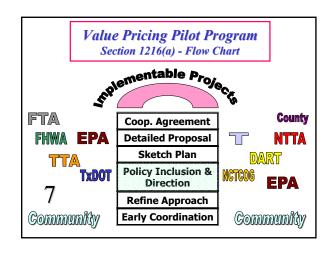


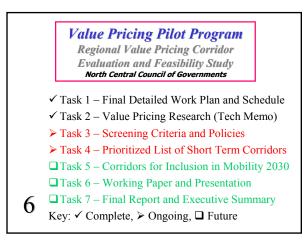
Opportunities & Issues



- → Multiple Access Locations
 - Park-n-Ride, Rail Stations, Mainlanes, HOV, FR
- → Part of a Tunnel Facility (West Section)
- → Signing
 - General Guidance, Driver Information (ITS & Pricing)
- → Fare/Toll Collection Technologies
- → Occupancy Detection (Manual / Automated)
- → Enforcement
 - Eligibility, Toll Collection, Use of Video, Ticket by Mail
- → Electronic Payment Systems Integration 9
 - Multiple Toll Rds.; Parking; Bus Transit; Mass Transit; Rail Transit



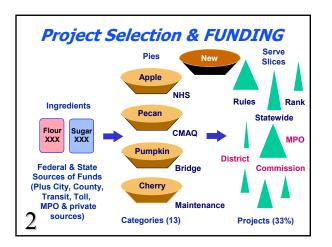






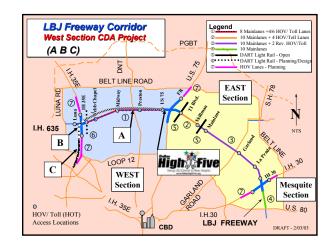
















West Section



West Section Procurement Engineer (PcE) has 3 - Basic Roles



- Procurement of the CDA Team
 As outlined in the NOI
- Preliminary Engineering / Early Design Tasks
 Some initial ideas to support the RFP process
- Project Oversight & Management of the CDA
 As outlined in the NOI

8/20/0



Procurement of the CDA Team



- Prepare CDA Procurement Documents
- Prepare CDA Selection Criteria
- Prepare CDA Draft Request for Proposal (RFP)
- Prepare CDA Evaluation Material
- Prepare CDA Final RFP
- Prepare a Project Controls Process for the CDA

8/20/03



Preliminary Engineering & Early Design Tasks



- · Assist in the geotechical investigation effort
- · Assist in the T&R systems development
- Develop an Operational Schematic
- Refine Project Schematic (Metric to English)
- Confirm Tunnel Length (Short or Long)
- Update Cost Estimates
- Preliminary Ventilation Design (Jet or Closed)
- Establish "Life Safety" Needs and Committees

Do of Yes

Project Oversight & Management of the CDA



- CDA Project Oversight and Management
- Identified Engineering and Other Tasks
- Project Controls
- Construction Management

Note: These items will be more defined at a later date.

9/20/0



2 Design Costs \$ 30
3 Construction Management \$ 85
4 Right-Of-Way \$ 86
5 Utilities \$ 28
6 CDA Procurement and T&R \$ 8

Total Project Costs

\$ 862

Note:

(1) Includes 125 million for the "C" section of the project which may have an ability to obtain funding from other sources.

Texas Department of Transportation

West Section (Potential Funding)



1 Projected Bond Sale (2) \$ 300 to 467 2 TxDOT Right-of-Way Account (5) \$ 116

2 TxDOT Right-of-Way Account (5) \$ 116 3 TxDOT Design (5) \$ 38

4 Local Participation (3) \$ 71 Total Potential Funding \$ 525 to 692

5 FHWA, State, MPO Equity GAP(4) \$ 337 to 170

- (2) Represents a ranged amount at 2/3's of a possible bond sale.
- (3) This number represents a requested amount to the adjacent Cities, County and DART at this time. No agreements have been signed.
- (4) This does not include the MPO's (NCTCOG's) partnership program.
- (5) These costs may need to be added to equity gap.

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West Section Funding Participants (Sources)



- FHWA Formula Funds, Appropriations, Etc.
- TxDOT / TTA Formula Funds, Bonds, Etc.
- Dallas Area Rapid Transit (DART)
- MPO (NCTCOG) STPMM Partnerships
- Dallas County By Project
- Local Cities (Dallas, Garland, Farmers Branch and Mesquite) - Uniform Minimum Request
- Other TIFIA Loan, Adjacent Interests, Etc.

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West Section Dallas District Lead Responsibilities



- Planning Management NEPA Process
 - Obtain Environmental Clearance (FONSI)
- Technical Liaison to the CDA Procurement Process
 - General Engineering Coordination for the Project
 - Define Project Scope and Provide Cost Estimates
 - Assist the TTA in all of the procurement activities as needed
- Design Management
 - As required for the CDA
- Construction Management
 - As required for the EDA

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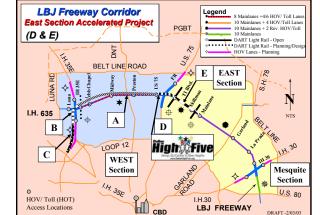


West Section TTA

Lead Responsibilities

- Initiate and Complete the CDA Procurement Process in Cooperation with the Dallas District
 - Secure services for Procurement Engineer (PcE)
 - Request for Qualifications (RFQ) for CDA Teams
 - Review RFQ, Shortlist Developers & Issue Draft RFP
 - Issue Final RFP, Receive RFP and Evaluate Proposals
 - Make CDA Selection
- Initiate and Complete Financial Plan Development
 - Investment Grade Traffic and Revenue Study
 - Marketing/Approval of Bonds
- Bond Sale and Associated Follow-up Needs

LBJ 635



8/20/0:





East Section Scope Definition



 By having completed the IH 635 / US 75 (Dallas High Five) interchange by 2007 there will be an additional ability to extend the Managed Lanes to encompass that project as well. The Dallas High Five interchange infrastructure components will be complete. Operational features will need to be added. The next future extension would be to reach the Managed Lanes east to DART's light rail station at Skillman Avenue. This phase could be with the West Section, a separate bond issuance, or conventionally funded.

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East Section Early Design Task List



- · Decide on method of implementation
- Study Dallas High Five for needs
- Study East extension to Skillman LRT Station
- Confirm phasing and project definition
- Include component into T&R Study

Note:

Additional cost amounts and participation identification for the East Section will be included in future updates.

8/20/





Notice of Intent (NOI) for Letter of Interest (LOI)

Texas Turnpike Authority Contract Number: 86-445P5001 (7 slides)

8/20/0



West Section NOI for LOI Key Dates



NOI appears on the Internet

Aug 8, 2003

· Ad is in the papers

Aug 10, 2003

Mandatory Pre-LOI Meeting

Aug 20, 2003

Deadline for clarifications/

Aug 28, 2003

questions is 5:00 p.m. CST
• LOI's will be accepted until

Sep 12, 2003

5:00 p.m. CST



West Section LOI Highlights





- Project Description Covered Already
- Selection Requirements As Listed
- Certification Requirements As Listed
- Employment Law As Listed
- Disadvantage Business Enterprise and/or Historically Underutilized Business Goal - <u>As Listed</u>
- Work Categories and the % of Work per Category - <u>As Listed</u>

8/20



West Section LOI Highlights

2 of 4



- Nonlisted Work Categories (NLC), description and % work
 - NLC-1 Tunnel Design (18%)
 - NLC-2 Tunnel Ventilation System (6%)
 - NLC-3 Tunnel Operational Systems Design (6%)
 - NLC-4 Tunnel Life Safety Design (5%)
 - NLC-5 Traffic and Revenue Study (3%)
- Major Work Categories
 - Schematic Development, Bridge Design, NLC-1 to NLC-5



West Section LOI Highlights

3 of 4



- Selection Criteria Quick Summary Below
 - Project understanding and approach
 - Project manager...
 - Similar project related...
 - Demonstration of proficiency...early implementation...
 - Demonstration of proficiency...Ventilation Systems...
- Selection Procedure As Listed
 - We are considering counting the LOI as 20 to 30% of the total score
- Letter of Interest Requirements As Listed
 - First 5 pages and Remaining 5 pages + A returned work schedule

8/20/0



• Planning for the IH 635 HOV/Toll Tunnels - July 2001 - PDF

· Proposals for the transitions...April 2002 - PDF

• Attachments B, C, D and F - Paper Copy & Electronic

• LBJ Corridor Urban Design Program - PDF



